

### Center for Health Statistics



#### April 2004

DATA SUMMARY No. DS 04-04001

Reports from prior periods are available on this subject.

#### Highlights

- # In 2002 life
  expectancy at birth
  for the total
  California
  population was
  79.4 years, an
  increase of .3 years
  from 2001.
- ∉
   # The life expectancy of Californians was 2.0 years longer than the life expectancy of the U.S. population.
- # The difference in life expectancy between California males and females was 4.7 years in 2002, narrowing the difference of 6.7 years in 1990.

#### Abridged Life Tables for California, 2002

#### By Sandy Ficenec

#### Introduction

Life tables statistically summarize the death rates for a specific period, and they have long been used as the principal analytical tool in the study of life expectancy. There are two types of life tables: the generation or cohort life table and the current life table.

The generation life table provides a longitudinal perspective and involves the mortality experience of a group or cohort of individuals that were born during the same time period. This type of life table best reflects changing environmental conditions, but is not often used due to the practical constraints of gathering mortality data over many years.

A current life table can be characterized as "cross-sectional." Unlike the generation life table, the current life table does not represent the mortality experience of an actual cohort. This type of table considers a hypothetical cohort and assumes that it is subject to the age-specific death rates for an actual population during a particular period. In this report the term "life table" refers only to the current life table and not to the generation life table.

Life tables can also differ in the length of the age intervals used. A complete life table uses every single year of age from birth to the last applicable age. An abridged life table uses broader age intervals--generally five years. This report uses current abridged life tables for all California residents, males and females, for 2002.

#### Life Expectancy at Birth for Total Population

**Table 1** shows that in 2002 the average life expectancy at birth was 79.4 years for the total California population. Life expectancy continued the general increase that has occurred over the years presented in **Table 1**, going back to 1950. **Figure 1** shows the trend of increasing life expectancy in California for the years 1990 through 2002. During this time period, life expectancy increased 3.2 years.

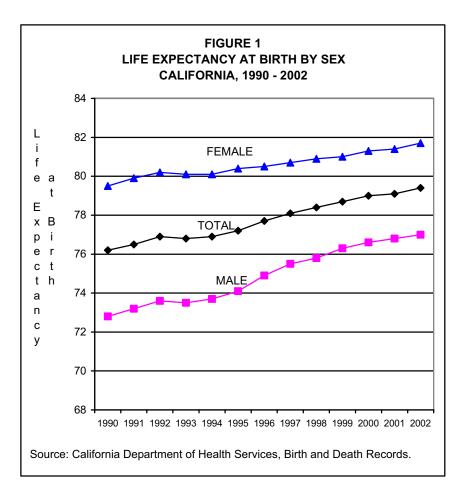
The life expectancy of Californians continues to exceed the life expectancy of the population of the United States (U.S.). In 2002 life expectancy was

79.4 years for the total California population compared with 77.4 years for that of the U.S. population as a whole (**Tables 2**). The U.S. data for 2002 are preliminary.

A description of methods is provided at the end of this report.

### Life Expectancy at Birth by Sex

Life expectancy for females in 2002 was 81.7 years. Between 1990 and 2002 life expectancy for females increased 2.2 years. Life expectancy for males was 77.0 years in 2002 with an increase of 4.2 years between 1990 and 2002. In 2002 the difference in life expectancy between males and females was 4.7 years, a slight



increase from the difference in 2001 of 4.6 years but a narrowing from the difference of 6.7 years in 1990. **Figure 1** shows the increases in life expectancy for both males and females, as well as the decrease in discrepancy between the two sexes.

California's male population at birth was expected to live 2.3 years longer than the U.S. male population in 2002. California's females were expected to live 1.8 years longer than the U.S. female population in 2002.

#### Life Expectancy at Age 65

Expected remaining average years of life are often examined at 65 years of age. In 2002 a 65-year-old person living in California could expect to live an additional 19.5 years, for a total of 84.5 years. This was 0.2 year longer than in 2001 and 1.6 years longer than in 1990.

At age 65, Californians were expected to live 1.3 years longer than the U.S. population in 2002 (preliminary), a larger discrepancy than in prior years (1.2 years in 2001 and 0.7 years in 1990). The average years of life remaining at age 65 in California has consistently exceeded the average years of life remaining at age 65 in the U.S.

#### Life Expectancy at Age 65 by Sex

In 2002 California's male population at age 65 was expected to live 1.5 years longer than the U.S. male population (preliminary), while California's female population was expected to live 1.2 years longer than the U.S. female population (preliminary). Californians of both sexes at age 65 have exceeded their respective U.S. life expectancies for many years (**Tables 1 and 2**).

For more data, see DHS Center for Health Statistics Home Page at:

www.dhs.ca. gov/org/hisp/ chs/default.ht m

#### **Detailed Life Tables**

**Tables 3 through 5** in this report are 2002 abridged life tables for California's total, male and female populations. These tables show more detail than **Tables 1 and 2**, with age intervals calculated in five-year increments.

#### **Methodological Approach**

A report entitled "Methodology for Constructing Life Tables for 1977" describes in detail the methodology used in constructing life tables. The standard life table methodology uses Chiang's formulae and the "fraction of last year of life" adjustments to calculate the probability of death. The 2002 life tables in this report follows this methodology, with the exceptions that are noted in the technical notes of the report "California Life Expectancy: Abridged Life Tables For California 1990-1996." The 2002 population data used for the life tables in this report came from the State of California, Department of Finance.

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Oreglia A. Methodology For Constructing Abridged Life Tables For California, 1977, Data Matters, No. 81-01021, Center for Health Statistics, California Department of Health Services, January 1981.

<sup>&</sup>lt;sup>2</sup>Chiang Chin Long. *Life Table and Mortality Analysis*, World Health Organization, 1978.

<sup>&</sup>lt;sup>3</sup>Harms C., McKendry J. *California Life Expectancy: Abridged Life Tables For California, 1990-96*, Data Matters, No. DM98-08000, Center for Health Statistics, California Department of Health Services, August 1998.

# TABLE 1 LIFE EXPECTANCY AT BIRTH AND AVERAGE YEARS OF LIFE REMAINING AT AGE 65 BY SELECTED YEARS AND SEX

CALIFORNIA, 1919-1941<sup>a</sup>, 1950, 1959-61, 1969-71,1979-81, 1990-2002

|         |              | AT BIRTH     |         | AT 65 YEARS |                   |                   |  |  |
|---------|--------------|--------------|---------|-------------|-------------------|-------------------|--|--|
| YEAR    | TOTAL        |              |         | TOTAL       |                   |                   |  |  |
|         | POPULATION   | MALES        | FEMALES | POPULATION  | MALES             | FEMALES           |  |  |
| 2002    | 79.4         | 77.0         | 81.7    | 19.5        | 18.1              | 20.7              |  |  |
| 2002    | 79.4<br>79.1 | 77.0<br>76.8 | 81.4    | 19.3        | 17.9              | 20.7              |  |  |
| 2000    | 79.0         | 76.6         | 81.3    | 19.1        | 17.9<br>17.6      | 20.4              |  |  |
| 2000    | 75.0         | 70.0         | 01.5    | 13.1        | 17.0              | 20.4              |  |  |
| 1999    | 78.7         | 76.3         | 81.0    | 18.8        | 17.3              | 20.1              |  |  |
| 1998    | 78.4         | 75.8         | 80.9    | 18.7        | 17.1              | 20.0              |  |  |
| 1997    | 78.1         | 75.5         | 80.7    | 18.6        | 17.0              | 20.0              |  |  |
| 1996    | 77.7         | 74.9         | 80.5    | 18.6        | 16.8              | 20.0              |  |  |
| 1995    | 77.2         | 74.1         | 80.4    | 18.5        | 16.7              | 19.9              |  |  |
| 1994    | 76.9         | 73.7         | 80.1    | 18.3        | 16.5              | 19.8              |  |  |
| 1993    | 76.8         | 73.5         | 80.1    | 18.3        | 16.5              | 19.8              |  |  |
| 1992    | 76.9         | 73.6         | 80.2    | 18.4        | 16.5              | 19.9              |  |  |
| 1991    | 76.5         | 73.2         | 79.9    | 18.1        | 16.2              | 19.7              |  |  |
| 1990    | 76.2         | 72.8         | 79.5    | 17.9        | 16.0              | 19.4              |  |  |
| 1979-81 | 74.8         | 71.3         | 78.3    | 17.1        | 14.9              | 19.0              |  |  |
|         |              |              |         |             |                   |                   |  |  |
| 1969-71 | 71.7         | 68.2         | 75.4    | 15.5        | 13.4              | 17.4              |  |  |
| 1959-61 | 70.9         | 67.6         | 74.5    | 15.1        | 13.3              | 16.7              |  |  |
| 4050    |              | 25.0         | 70.0    | 44.5        | 40.0              | 40.4              |  |  |
| 1950    | 69.2         | 65.9         | 73.0    | 14.5        | 13.0              | 16.1              |  |  |
| 1939-41 | NA           | 61.9         | 68.3    | NA          | 11.8              | 14.4              |  |  |
| 1929-31 | NA           | 58.6         | 63.7    | NA          | 12.0 <sup>b</sup> | 14.0 <sup>b</sup> |  |  |
|         |              | 33.0         |         |             |                   |                   |  |  |
| 1919-20 | NA           | 54.5         | 58.4    | NA          | 12.4 <sup>b</sup> | 13.4 <sup>b</sup> |  |  |
|         |              |              |         |             |                   |                   |  |  |

a Whites Only

NA = Not Available

Sources: 1979-81 and 1990-2002 State of California, Department of Health Services, Birth and Death Records.

1969-71 National Center for Health Statistics, U.S. Decennial Life Tables for 1969-71: California, DHEW Publication No. (HRA) 75-1151, U.S. DHEW, June 1975.

1959-61 Norris F D., Riese D C., *Abridged Life Tables, California, 1959-61*, California Department of Public Health, September 1963.

1950 Schoen R, Collens M, *Mortality by Cause: Life Tables for California, 1950-1970*. California State Department for Public Health.

1939-41 National Office of Vital Statistics, State and Regional Life Tables, 1939-41, U.S. Federal Security Agency, March 11, 1948, pp. 82-85.

1919-20 and 1929-31 Dublin, L I., et al, Length of Life, Ronald Press Company, New York 1949, p. 325 and 333.

State of California, Department of Finance; 1978-81 and 1990-96 Population: 1970-1996 Race/Ethnic Population Estimates by County with Age and Sex Detail, January 1998. 1997 Population: Population Estimates with Age and Sex Detail, June 1999. 1998 Population: Population Estimates with Age and Sex Detail, May 2000. 1999-2002 Population: 1997-2040 Population Projections with Age and Sex Detail, December 1998.

<sup>&</sup>lt;sup>b</sup> Interpolated

# TABLE 2 LIFE EXPECTANCY AT BIRTH AND AVERAGE YEARS OF LIFE REMAINING AT AGE 65 BY SELECTED YEARS AND SEX

UNITED STATES, 1949-51, 1959-61, 1969-71, 1979-81, 1990-2002

|         |            | AT BIRTH |         |            | AT 65 YEARS |         |  |  |  |
|---------|------------|----------|---------|------------|-------------|---------|--|--|--|
| YEAR    | TOTAL      |          |         | TOTAL      |             |         |  |  |  |
|         | POPULATION | MALES    | FEMALES | POPULATION | MALES       | FEMALES |  |  |  |
|         |            |          |         | 40.0       | 40.0        | 40.5    |  |  |  |
| 2002    | 77.4       | 74.7     | 79.9    | 18.2       | 16.6        | 19.5    |  |  |  |
| 2001    | 77.2       | 74.4     | 79.8    | 18.1       | 16.4        | 19.4    |  |  |  |
| 2000    | 77.0       | 74.3     | 79.7    | 18.0       | 16.2        | 19.3    |  |  |  |
| 1999    | 76.7       | 73.9     | 79.4    | 17.7       | 16.1        | 19.1    |  |  |  |
| 1998    | 76.7       | 73.8     | 79.5    | 17.8       | 16.0        | 19.2    |  |  |  |
| 1997    | 76.5       | 73.6     | 79.4    | 17.7       | 15.9        | 19.2    |  |  |  |
| 1996    | 76.1       | 73.1     | 79.1    | 17.5       | 15.7        | 19.0    |  |  |  |
| 1995    | 75.8       | 72.5     | 78.9    | 17.4       | 15.6        | 18.9    |  |  |  |
| 1994    | 75.7       | 72.4     | 79.0    | 17.4       | 15.5        | 19.0    |  |  |  |
| 1993    | 75.5       | 72.2     | 78.8    | 17.3       | 15.3        | 18.9    |  |  |  |
| 1992    | 75.8       | 72.3     | 79.1    | 17.5       | 15.4        | 19.2    |  |  |  |
| 1991    | 75.5       | 72.0     | 78.9    | 17.4       | 15.3        | 19.1    |  |  |  |
| 1990    | 75.4       | 71.8     | 78.8    | 17.2       | 15.1        | 18.9    |  |  |  |
| 1979-81 | 73.9       | 70.1     | 77.6    | 16.5       | 14.2        | 18.4    |  |  |  |
| 1969-71 | 70.8       | 67.0     | 74.6    | 15.0       | 13.0        | 16.8    |  |  |  |
| 1959-61 | 69.9       | 66.8     | 73.2    | 14.4       | 13.0        | 15.8    |  |  |  |
| 1949-51 | 68.1       | 65.5     | 71.0    | 13.8       | 12.7        | 15.0    |  |  |  |

Note: Prior to 1970 includes deaths of nonresidents of the United States.

Sources: 1949-1998 Data: National Center for Health Statistics, United States Life Tables, 1998, Vol. 48, No.18, Tables 11 and 12, February 2001 and National Center for Health Statistics, Health, United States, 2000 With Adolescent Health Chartbook, July 2000. 1999 Data: National Vital Statistics Reports, Deaths: Final Data for 1999, Volume 49, Number 8, Tables 6 and 7, September 2001. 2000-2001 Data: National Vital Statistics Reports, Deaths: Preliminary Data for 2001, Volume 51, Number 5, March 2003. 2002 Data: National Vital Statistics Reports, Deaths: Preliminary Data for 2002, Volume 52, Number 13, February 2004.

## TABLE 3 ABRIDGED LIFE TABLE FOR TOTAL POPULATION CALIFORNIA, 2002

| AGE<br>INTERVAL | PROPORTION DYING  Correction Uncorrected Term Corrected |          | OF 100,000 BORN<br>ALIVE |           | STATIONARY<br>POPULATION |          | AVERAGE<br>REMAINING<br>LIFETIME |           |
|-----------------|---|----------|--------------------------|-----------|--------------------------|----------|----------------------------------|-----------|
| Period          | Average   | Fraction | Proportion               | Number    | Number                   |          | In This                          | Average   |
| of Life         | Annual  | of Last  | Dying                    | Living at | Dying                    | In the   | And All                          | Remaining |
| Between         | Death   | Age      | During                   | Beginning | During                   | Age      | Subsequent                       | Years     |
| Two Exact       | Rate  | Interval | Age                      | of Age    | Age                      | Interval | Age                              | of        |
| Ages            |   | Lived    | Interval                 | Interval  | Interval                 |          | Intervals                        | Life      |
| 0-1             |   | 0.17771  | 0.00543                  | 100,000   | 543                      | 99,553   | 7,938,116                        | 79.38     |
| 1-5             | 0.00023   | 0.17771  | 0.00093                  | 99,457    | 93                       | 397,608  | 7,838,563                        | 78.81     |
| 5-10            | 0.00023   | 0.40931  | 0.00093                  | 99,457    | 93<br>61                 | 496,654  | 7,838,363<br>7,440,954           | 74.89     |
| 10-15           | 0.00012   | 0.44964  | 0.00061                  | 99,304    | 75                       | 496,054  | 6,944,301                        | 69.93     |
| 15-20           | 0.00013   | 0.60026  | 0.00073                  | 99,228    | 289                      | 495,565  | 6,447,943                        | 64.98     |
| 20-25           | 0.00038   | 0.48926  | 0.00291                  | 98,940    | 413                      | 493,503  | 5,952,378                        | 60.16     |
| 25-30           | 0.00082   | 0.40920  | 0.00418                  | 98,526    | 404                      | 493,043  | 5,458,735                        | 55.40     |
| 30-35           | 0.00082   | 0.49010  | 0.00410                  | 98,122    | 457                      | 489,522  | 4,967,122                        | 50.62     |
| 35-40           | 0.00093   | 0.54499  | 0.00400                  | 97,665    | 613                      | 486.932  | 4,477,600                        | 45.85     |
| 40-45           | 0.00120   | 0.53549  | 0.00961                  | 97,053    | 933                      | 483,095  | 3,990,668                        | 41.12     |
| 45-50           | 0.00299   | 0.53771  | 0.01484                  | 96,119    | 1,426                    | 477,301  | 3,507,572                        | 36.49     |
| 50-55           | 0.00236   | 0.52626  | 0.02158                  | 94,693    | 2,043                    | 468,628  | 3,030,271                        | 32.00     |
| 55-60           | 0.00640   | 0.52870  | 0.03151                  | 92,650    | 2,919                    | 456,373  | 2,561,643                        | 27.65     |
| 60-65           | 0.00998   | 0.52744  | 0.04875                  | 89,731    | 4,375                    | 438,319  | 2,105,271                        | 23.46     |
| 65-70           | 0.01515   | 0.52889  | 0.07315                  | 85,357    | 6,244                    | 412.075  | 1,666,952                        | 19.53     |
| 70-75           | 0.02431   | 0.52987  | 0.11497                  | 79,113    | 9,095                    | 374,184  | 1,254,877                        | 15.86     |
| 75-80           | 0.03886   | 0.52193  | 0.17777                  | 70,017    | 12,447                   | 320,334  | 880,693                          | 12.58     |
| 80-85           | 0.06501   | 0.51469  | 0.28076                  | 57,570    | 16,163                   | 248,630  | 560,359                          | 9.73      |
| 85+             | 0.13283   |          | 1.00000                  | 41,407    | 41,407                   | 311,729  | 311,729                          | 7.53      |
|                 |   |          |                          |           |                          |          |                                  |           |

Ref: Oreglia A. *Methodology for Constructing Abridged Life Tables for California, 1977,* Data Matters. Center for Health Statistics, California Department of Health Services, January 1981.

Harms C, McKendry J. California Life Expectancy: Abridged Life Tables For California, 1990-96, Data Matters. Center for Health Statistics, California Department of Health Services, August 1998.

Sources: State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections with Age and Sex Detail, December 1998.

State of California, Department of Health Services, Birth and Death Records.

## TABLE 4 ABRIDGED LIFE TABLE FOR MALE POPULATION CALIFORNIA, 2002

| AGE<br>INTERVAL | PROPORTION DYING  Correction Uncorrected Term Corrected |          | OF 100,000 BORN<br>ALIVE |           | STATIONARY<br>POPULATION |          | AVERAGE<br>REMAINING<br>LIFETIME |           |
|-----------------|---|----------|--------------------------|-----------|--------------------------|----------|----------------------------------|-----------|
| Period          | Average   | Fraction | Proportion               | Number    | Number                   |          | In This                          | Average   |
| of Life         | Annual  | of Last  | Dying                    | Living at | Dying                    | In the   | And All                          | Remaining |
| Between         | Death   | Age      | During                   | Beginning | During                   | Age      | Subsequent                       | Years     |
| Two Exact       | Rate  | Interval | Age                      | of Age    | Age                      | Interval | Age                              | of        |
| Ages            |   | Lived    | Interval                 | Interval  | Interval                 |          | Intervals                        | Life      |
| 0-1             | _   | 0.17908  | 0.00594                  | 100,000   | 594                      | 99,513   | 7,696,865                        | 76.97     |
| 1-5             | 0.00027   | 0.42776  | 0.00107                  | 99,406    | 107                      | 397,382  | 7,597,352                        | 76.43     |
| 5-10            | 0.00027   | 0.45980  | 0.00067                  | 99,300    | 67                       | 496,319  | 7,199,970                        | 72.51     |
| 10-15           | 0.00017   | 0.57111  | 0.00087                  | 99,233    | 87                       | 495,981  | 6,703,651                        | 67.55     |
| 15-20           | 0.00083   | 0.60639  | 0.00416                  | 99,147    | 412                      | 494,922  | 6,207,671                        | 62.61     |
| 20-25           | 0.00126   | 0.48966  | 0.00628                  | 98,734    | 620                      | 492,089  | 5,712,749                        | 57.86     |
| 25-30           | 0.00120   | 0.48806  | 0.00596                  | 98,114    | 585                      | 489,074  | 5,220,660                        | 53.21     |
| 30-35           | 0.00121   | 0.51848  | 0.00601                  | 97,530    | 587                      | 486,236  | 4,731,586                        | 48.51     |
| 35-40           | 0.00162   | 0.54137  | 0.00809                  | 96,943    | 784                      | 482,917  | 4,245,350                        | 43.79     |
| 40-45           | 0.00243   | 0.53458  | 0.01208                  | 96,159    | 1,162                    | 478,090  | 3,762,433                        | 39.13     |
| 45-50           | 0.00370   | 0.53645  | 0.01836                  | 94,997    | 1,744                    | 470,941  | 3,284,344                        | 34.57     |
| 50-55           | 0.00550   | 0.52534  | 0.02712                  | 93,252    | 2,529                    | 460,259  | 2,813,403                        | 30.17     |
| 55-60           | 0.00794   | 0.52925  | 0.03897                  | 90,723    | 3,535                    | 445,294  | 2,353,144                        | 25.94     |
| 60-65           | 0.01199   | 0.52254  | 0.05830                  | 87,188    | 5,083                    | 423,805  | 1,907,850                        | 21.88     |
| 65-70           | 0.01813   | 0.52851  | 0.08692                  | 82,105    | 7,136                    | 393,702  | 1,484,044                        | 18.07     |
| 70-75           | 0.02873   | 0.53020  | 0.13457                  | 74,969    | 10,089                   | 351,146  | 1,090,343                        | 14.54     |
| 75-80           | 0.04733   | 0.51967  | 0.21249                  | 64,880    | 13,786                   | 291,291  | 739,197                          | 11.39     |
| 80-85           | 0.07803   | 0.50944  | 0.32748                  | 51,094    | 16,732                   | 214,429  | 447,906                          | 8.77      |
| 85+             | 0.14717   |          | 1.00000                  | 34,362    | 34,362                   | 233,478  | 233,478                          | 6.79      |

Ref: Oreglia A. *Methodology for Constructing Abridged Life Tables for California, 1977,* Data Matters. Center for Health Statistics, California Department of Health Services, January 1981.

Harms C, McKendry J. *California Life Expectancy: Abridged Life Tables For California, 1990-96,* Data Matters. Center for Health Statistics, California Department of Health Services, August 1998.

Sources: State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections with Age and Sex Detail, December 1998.

State of California, Department of Health Services, Birth and Death Records.

### TABLE 5 ABRIDGED LIFE TABLE FOR FEMALE POPULATION CALIFORNIA, 2002

| AGE<br>INTERVAL | PROPORTION DYING  Correction Uncorrected Term Corrected |          | OF 100,000 BORN<br>ALIVE |           | STATIONARY<br>POPULATION |          | AVERAGE<br>REMAINING<br>LIFETIME |                |
|-----------------|---|----------|--------------------------|-----------|--------------------------|----------|----------------------------------|----------------|
| Period          | Average   | Fraction | Proportion               | Number    | Number                   |          | In This                          | Average        |
| of Life         | Annual  | of Last  | Dying                    | Living at | Dying                    | In the   | And All                          | Remaining      |
| Between         | Death   | Age      | During                   | Beginning | During                   | Age      | Subsequent                       | Years          |
| Two Exact       | Rate  | Interval | Age                      | of Age    | Age                      | Interval | Age                              | of             |
| Ages            |   | Lived    | Interval                 | Interval  | Interval                 |          | Intervals                        | Life           |
| 0-1             |   | 0.17600  | 0.00491                  | 100,000   | 491                      | 99,596   | 8,171,425                        | 81.71          |
| 1-5             | 0.00020   | 0.17600  | 0.00491                  | 99,509    | 78                       | 397,845  | 8,171,425<br>8,071,829           | 81.12          |
| 5-10            |   |          |                          |           | _                        | ,        | , ,                              |                |
| 10-15           | 0.00011   | 0.43710  | 0.00055                  | 99,432    | 55<br>63                 | 497,003  | 7,673,984                        | 77.18          |
| 15-20           | 0.00013   | 0.58041  | 0.00063                  | 99,377    |                          | 496,752  | 7,176,981                        | 72.22<br>67.26 |
| 15-20<br>20-25  | 0.00032   | 0.58086  | 0.00158                  | 99,314    | 157                      | 496,241  | 6,680,229                        |                |
| 20-25<br>25-30  | 0.00037   | 0.48794  | 0.00187                  | 99,157    | 185                      | 495,311  | 6,183,988                        | 62.37          |
| 25-30<br>30-35  | 0.00042   | 0.51911  | 0.00207                  | 98,972    | 205                      | 494,366  | 5,688,676                        | 57.48          |
|                 | 0.00063   | 0.53575  | 0.00312                  | 98,767    | 309                      | 493,117  | 5,194,310                        | 52.59          |
| 35-40           | 0.00086   | 0.55404  | 0.00431                  | 98,458    | 424                      | 491,345  | 4,701,193                        | 47.75          |
| 40-45           | 0.00141   | 0.53821  | 0.00705                  | 98,034    | 691                      | 488,576  | 4,209,848                        | 42.94          |
| 45-50           | 0.00227   | 0.54043  | 0.01128                  | 97,343    | 1,098                    | 484,194  | 3,721,272                        | 38.23          |
| 50-55           | 0.00325   | 0.52832  | 0.01612                  | 96,245    | 1,552                    | 477,567  | 3,237,078                        | 33.63          |
| 55-60           | 0.00491   | 0.52826  | 0.02428                  | 94,693    | 2,299                    | 468,045  | 2,759,511                        | 29.14          |
| 60-65           | 0.00809   | 0.53430  | 0.03969                  | 92,395    | 3,667                    | 453,434  | 2,291,466                        | 24.80          |
| 65-70           | 0.01248   | 0.52978  | 0.06061                  | 88,727    | 5,377                    | 430,993  | 1,838,032                        | 20.72          |
| 70-75           | 0.02058   | 0.53073  | 0.09815                  | 83,350    | 8,181                    | 397,554  | 1,407,039                        | 16.88          |
| 75-80           | 0.03270   | 0.52447  | 0.15169                  | 75,169    | 11,403                   | 348,734  | 1,009,484                        | 13.43          |
| 80-85           | 0.05656   | 0.52004  | 0.24899                  | 63,767    | 15,877                   | 280,730  | 660,750                          | 10.36          |
| 85+             | 0.12602   |          | 1.00000                  | 47,889    | 47,889                   | 380,021  | 380,021                          | 7.94           |

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